

PATENT ABSTRACTS OF JAPAN

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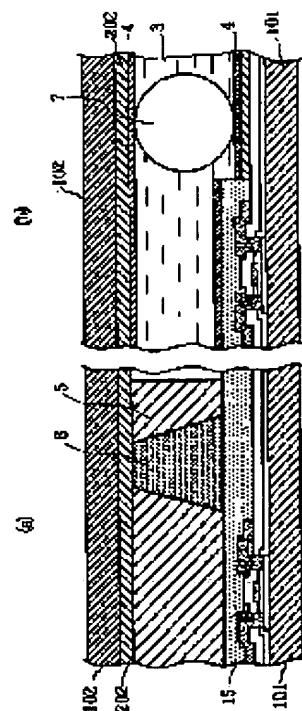
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(54) LIQUID CRYSTAL PANEL, COLOR FILTER AND THEIR PRODUCTION

(57)Abstract:

PROBLEM TO BE SOLVED: To produce a panel of a liquid crystal display device or the like by properly controlling the gap between substrates and rigidity in the pixel part, black matrix part, sealing part or the like, to improve pressure resistance of the display part as a product, and to obtain good display quality, performance and productivity.

SOLUTION: Protruding spacers 6 or spherical spacers 7 comprising an elastic material are formed in the display region and in the region where a seal is to be formed so as to maintain the gap between substrates 101, 102 constant. In this method, the modulus of elasticity or spraying density of these spacers is controlled to the optimum. Or, formation or distribution density of the spacers is varied depending on the objective place. Moreover, the spacers in the display region and the sealing part 5 are produced in one process, and the spacers can be formed in a single process.



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